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... solution to a nonlinear system of equations at which the **Jacobi matrix** is nonsingular, ... Matrice Jacobi; **Jacobi matrix**; Matriz Jacobi; Méthode **Newton**; ...

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### 2.6 Newton Methods

Since the calculation of the **Jacobi matrix** is a very computer resources-consuming procedure, one can for a number of subsequent **Newton** iterations also use ...

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power item is added to the modified equation of **Newton**. method. And the parameter in **Jacobi matrix** is regarded. as the partial derivation of TCSC adjustment ...

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Thus, in comparison with harmonic **Newton** method (7). the cost of solving (1 1) is significantly reduced due to much. lower order of the. PSS. **Jacobi matrix** ...

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We split the **Jacobi matrix** into  $L + D + U$  ( $D$  is diagonal), and define  $M = D^{-1}(L + U)$ . ... Though Gauss-**Newton** methods are linearly convergent, the number of ...

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In general, each **Newton** iteration step needs to calculate the **Jacobi matrix** to get the.  $Ax(\cdot)$ , but there is no need to do so by the new iteration. ...

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The generation of the **Jacobi matrix** is also quite time-consuming, especially since it must be done at each nonlinear iteration, in the classical **Newton** ...

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